IN THE CLAIMS:

1. A broadcast enhancement system backward-compatible with a television and a set-top-box that has a receiver for receiving a television broadcast signal, without any adaptation required to the set-top-box or the television, said system comprising a receiver for receiving a wireless transmission of an enhancement signal, the two receivers being arranged separately from each other, said system being further configured for enhancing athe received television broadcast signal using athe received enhancement signal, at least one of ~~which~~the two signals being prepared for chroma keying, the system also being configured to intercept the received television broadcast signal before it is passed to the television, to apply chroma keying to superimpose the enhancement signal onto the intercepted television broadcast signal and to pass the superimposed signal to the television.

2. (Original) A system according to claim 1, including a processor for formatting data received in the enhancement signal prior to applying chroma keying to superimpose it onto the television broadcast signal.

3. (Original) A system according to claim 1, in which the enhancement signal comprises a World Wide Web page.

4. (Original) A system according to claim 1 in which the enhancement signal is multiplexed with the television broadcast signal prior to transmission, wherein the system includes a demultiplexer for extracting the enhancement signal from the received television broadcast signal.

5. (Original) A system according to claim 1, in which the enhancement signal is

received as teletext.

6. (Original) A system according to claim 1, in which the enhancement signal is received via the internet.

7. (Canceled)

8. (Canceled)

9. (Amended) A method of enhancing a television broadcast comprising the steps of preparing a plurality of broadcast signals, at least one of which being prepared for chroma keying, transmitting the plurality of broadcast signals to a receiver, the receiver applying chroma keying to the received signals to create a superimposed signal for display as an enhanced television broadcast~~A method according to claim 7~~, further comprising the step of processing one of said received broadcast signals according to instructions in the broadcast signal to prepare the signal for chroma keying.

10. (Amended) ~~A set-top-box including t~~The broadcast enhancement system of claim 1, further comprising said set-top-box.

11. (Amended) A set-top-box ~~adapted~~configured to apply to a received television broadcast the method of claim 9~~7~~.

12. (New) The system of claim 1, comprising a mixer that performs the enhancing, intercepting, applying and passing.

13. (New) The system of claim 12, wherein the mixer intercepts from the set-top-box said received television broadcast signal.

14. (New) The system of claim 12, wherein the mixer comprises said receiver for receiving a wireless transmission.

15. (New) A mixer for use in a broadcast enhancement system that is backward-compatible with a television and set-top-box that has a receiver for receiving a television broadcast signal, without any adaptation required to the set-top-box or the television, said mixer being connected to a receiver for receiving a wireless transmission of an enhancement signal, the two receivers being arranged separately from each other, said mixer being configured for enhancing the received television broadcast signal using the received enhancement signal, at least one of the two signals being prepared for chroma keying, the mixer being further configured to intercept the received television broadcast signal before it is passed to the television, to apply chroma keying to superimpose the enhancement signal onto the intercepted television broadcast signal and to pass the superimposed signal to the television.

16. (New) The mixer of claim 15, configured to intercept from the set-top-box said received television broadcast signal before it is passed to the television.